

ABSTRACT OF THE DISCLOSURE

A synchrotilt chair mechanism and a chair are provided. The synchrotilt chair mechanism is for use on a chair that has a base assembly with an extending pedestal, a seat and a back. The mechanism includes a chassis that is coupled to the pedestal and a seat plate that is coupled to the chassis and to the chair seat. The seat plate can slide relative to the chassis. The mechanism further includes a back support bar that is coupled on one end to the chassis. The support bar extends upwardly from the chassis. A pair of arm supports are further included that can be coupled to the chair. Each arm support extends upwardly adjacent one side of the chair seat. The mechanism further includes a back bracket having a pair of ends that extend adjacent a side of the chair. Each end is pivotally coupled to the adjacent arm support. The back bracket further includes a guide plate that mounts to the chair back and that has at least one guide slot. The guide slot slidably and pivotally couples the back bracket to the other end of the back support bar. During recline of the chair, the back bracket pivots about the pivot connection on each arm support and the guide plate guides the lower chair back downwardly and forwardly. In addition, during recline the chair seat slides forwardly on the chassis.